

3 SEP 06 2005

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Sheet 1 of 7

APPLICATION NO.:	10/032,280	ATTY. DOCKET NO.:	H0498.70173US00
FILING DATE:	12/21/2001	CONFIRMATION NO.:	6387
APPLICANT:			Rahul Singhvi, et al.
GROUP ART UNIT:		EXAMINER: Deborah K. Ware	

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
DKW	A1	RE33,581		Nicoli, et al.	04-30-1991
DKW	A2	2,905,539		Bowerman	09-22-1959
DKW	A3	3,497,377		Allingham	02-24-1970-
DKW	A4	3,559,570		Martel, et al.	02-02-1971
DKW	A5	3,641,354		DeMent	02-08-1972
DKW	A6	3,716,359		Sheridan	02-13-1973
DKW	A7	3,873,357		Lando	03-25-1975
DKW	A8	4,011,009		Lama, et al.	03-08-1977
DKW	A9	4,173,075		Stewart	11-06-1979
DKW	A10	4,274,706		Tangonan	06-23-1981
DKW	A11	4,279,852		Engelmann	07-21-1981
DKW	A12	4,325,779		Rossetti	04-20-1982
DKW	A13	4,330,175		Fujii, et al.	05-18-1982
DKW	A14	4,382,657		Lemaitre	05-10-1983
DKW	A15	4,477,158		Pollock, et al.	10-16-1984
DKW	A16	4,512,848		Deckman, et al.	04-23-1985
DKW	A17	4,528,260		Kane	07-09-1985
DKW	A18	4,582,566		Grey	04-15-1986
DKW	A19	4,587,213		Malecki	05-06-1986
DKW	A20	4,690,715		Allara, et al.	09-01-1987
DKW	A21	4,728,591		Clark, et al.	03-01-1988
DKW	A22	4,729,852		Engelmann	03-08-1988
DKW	A23	4,731,155		Napoli, et al.	03-15-1988
DKW	A24	4,735,890		Nakane	04-05-1988
DKW	A25	4,802,951		Clark, et al.	02-07-1989
DKW	A26	4,818,336		Rossetti	04-04-1989
DKW	A27	4,842,633		Kuribayashi, et al.	06-27-1989
DKW	A28	4,897,325		Akkapeddi, et al.	01-30-1990
DKW	A29	4,999,489		Huggins	03-12-1991
DKW	A30	5,009,708		Grünwald, et al.	04-23-1991
DKW	A31	5,018,829		Ogawa	05-28-1991
DKW	A32	5,020,879		Kuzuta, et al.	06-04-1991
DKW	A33	5,032,216		Felten	07-16-1991
DKW	A34	5,079,600		Schnur, et al.	01-07-1992
DKW	A35	5,106,182		Briggs, et al.	04-21-1992
DKW	A36	5,143,854		Pirrung, et al.	09-01-1992
DKW	A37	5,172,171		Beaudet, et al.	12-15-1992
DKW	A38	5,202,227		Matsuda, et al.	04-13-1993
DKW	A39	5,255,273		Nilsson, et al.	10-19-1993
DKW	A40	5,259,926		Kuwabara, et al.	11-09-1993

<p style="text-align: center;">U.S. TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">SEP 06 2005</p>				APPLICATION NO.: 10/032,280	ATTY. DOCKET NO.: H0498.70173US00
				FILING DATE: 12/21/2001	CONFIRMATION NO.: 6387
				APPLICANT: Rahul Singhvi, et al.	
				GROUP ART UNIT: 1651	EXAMINER: Deborah K. Ware
Sheet	2	of	7		

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
SKW	A41	5,294,369		Shigekawa, et al.	03-15-1994
SKW	A42	5,315,436		Lowenhar, et al.	05-24-1994
SKW	A43	5,324,591		Georgei, Jr., et al.	06-28-1994
SKW	A44	5,512,131		Kumar, et al.	04-30-1996
SKW	A45	5,776,748		Singhvi, et al.	07-07-1998
SKW	A46	5,900,160		Whitesides, et al.	05-04-1999
SKW	A47	5,928,880		Wilding et al.	07-27-1999
SKW	A48	5,937,758		Maracas, et al.	08-17-1999
SKW	A49	5,955,029		Wilding et al.	09-21-1999
SKW	A50	5,976,826		Singhvi et al.	11-02-1999
SKW	A51	6,020,047		Everhart	02-01-2000
SKW	A52	6,103,479		Taylor	08-15-2000
SKW	A53	6,167,910	B1	Chow	01-02-2001
SKW	A54	6,180,239		Whitesides, et al.	01-30-2001
SKW	A55	6,184,029	B1	Wilding et al.	02-06-2001
SKW	A56	6,197,515		Bamdad, et al.	03-06-2001
SKW	A57	6,321,791	B1	Chow	11-27-2001
SKW	A58	6,329,209		Wagner, et al.	12-11-2001
SKW	A59	6,334,301	B1	Otsap et al.	01-01-2002
SKW	A60	6,355,198		Kim, et al.	03-12-2002
SKW	A61	6,368,838		Singhvi, et al.	04-09-2002
SKW	A62	6,368,877		Zhang, et al.	04-09-2002
SKW	A63	6,413,587		Hawker, et al.	07-02-2002
SKW	A64	6,518,168		Clem, et al.	02-11-2003
SKW	A65	6,719,868		Schueller, et al.	04-13-2004
SKW	A66	6,776,094		Whitesides, et al.	08-17-2004
SKW	A67	2002/0071943		Hawker, et al.	06-13-2002
SKW	A68	2002/0072074		Zhang, et al.	06-13-2002
SKW	A69	2002/0094572		Singhvi, et al.	07-18-2002
SKW	A70	2004/0023414		Zhang, et al.	02-05-2004

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
SKW	B1*	JP	58150148		Norio (Abstract Only)	09-06-1983	Y, abstract only
SKW	B2	JP	2140702		Hidehiko	05-30-1990	Y, abstract only
SKW	B3	JP	2165933		Motoyuki	06-26-1990	Y, abstract only
SKW	B4	JP	2210302		Yasutsugu	08-21-1990	Y, abstract only
SKW	B5	WO	95/12480		Rothschild, et al.	05-11-1995	

<p>FORM PTO-1449/A and B (Modified)</p> <p>3 SEP 06 2005</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>TRADEMARK OFFICE</p>			APPLICATION NO.: 10/032,280	ATTY. DOCKET NO.: H0498.70173US00
			FILING DATE: 12/21/2001	CONFIRMATION NO.: 6387
			APPLICANT: Rahul Singhvi, et al.	
			GROUP ART UNIT: 1651	EXAMINER: Deborah K. Ware
Sheet	3	of	7	

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
Stew	B6*	WO	97/07429		Clem, et al.	02-27-1997	
Stew	B7	WO	97/33737		President & Fellows of Harvard College	09-18-1997	
Stew	B8	WO	99/54786		President and Fellows of Harvard College; Mass. Institute of Tech.	10-28-1999	
Stew	B9	WO	01/03208	A1	President & Fellows of Harvard College	01-11-2001	
Stew	B10	WO	01/89787	A2	President & Fellows of Harvard College	11-29-2001	
Stew	B11	WO	01/89788	A2	President and Fellows of Harvard College	11-29-2001	

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
Stew	C1	ABBOTT, et al., "Manipulation of the Wettability of Surfaces on the 0.1-to 1-Micrometer Scale Through Micromachining and Molecular Self-Assembly", Science 257, pp. 1380-1382 (Sep. 4, 1992)	
Stew	C2*	ABBOTT, et al., "Potential-Dependent Wetting of Aqueous Solutions on Self-Assembled Monolayers Formed from 15-(Ferrocenylcarbonyl)pentadecanethiol on Gold", Langmuir 10, pp. 1493-1497, May 20, 1994	
Stew	C3	ABBOTT, NICHOLAS L., et al., "Active Control of Wetting Using Applied Electrical Potentials and Self-Assembled Assembled Monolayers", Langmuir, vol. 11, No. 1, pp. 16-18 (1995)	
Stew	C4	BERGVELD, "The Challenge of Developing μ TAS", Micro Total Analysis Systems, Proceedings of the μ TAS '94 Workshop, Nov. 21-22, 1994, Kluwer Academic Publishers, pp. 1-4, 1995	
Stew	C5	BHATIA, SURESH K., et al., "Fabrication of Surfaces Resistant to Protein Adsorption and Application to Two-Dimensional Protein Patterning", Anal. Biochem., vol. 208, pp. 197-205 (1993)	
Stew	C6	BIEBUYCK, et al., "Self-Organization of Organic Liquids on Patterned Self-Assembled Monolayers of Alkanethiolates on Gold", Langmuir 10, pp. 2790-2793 (Mar. 14, 1994)	
Stew	C7	BLANKENSTEIN & LARSEN, "Modular concept of a laboratory on a chip for chemical and biochemical analysis," Biosensors & Bioelectronics, Vol. 13, No. 3-4, pp. 427-438, 1998	
Stew	C8	BLOOMSTEIN & EHRLICH, "Laser-Chemical 3-D Micromachining," Mat. Res. Soc. Symp. Proc., Vol. 282, pp. 165-171, 1993	
Stew	C9	BLOOMSTEIN & EHRLICH, "Laser-chemical three-dimensional writing for microelectromechanics and application to standard-cell microfluidics," J. Vac. Sci. Tehcnolo. B, Vol. 10, No. 6, pp. 2671-2674, Nov./Dec. 1992	
Stew	C10	BLOOMSTEIN & EHRLICH, "Laser-Chemical Three-Dimensional Writing of Multimaterial Structures for Microelectromechanics," IEEE, pp. 202-203, 1991	
Stew	C11*	BRITLAND, et al., "Micropatterned Substratum Adhesiveness: A Model for Morphogenetic Cues Controlling Cell Behavior", Exper. Cell Research 198, pp. 124-129 (Jan. 20, 1992)	
Stew	C12	CALVERT, JEFFREY M., Calvert et al., "Deep Ultraviolet Lithography of Monolayer Films with Selective Electroless Metallization", J. Electrochem. Soc., vol. 139, No. 6, pp. 1677-1680 (1982)	
Stew	C13	CALVERT, JEFFREY M., et al., "Deep ultraviolet patterning of monolayer films for high resolution lithography", J. Vac. Sci. Technol. B, vol. 9, No. 6, pp. 3447-3450 (1991)	
Stew	C14	CALVERT, JEFFREY M., et al., "New Surface Imaging Techniques for Sub-0.5 Micrometer Optical Lithography", Solid State Technology, pp. 77-82 (1991)	
Stew	C15*	CHEHROUDI, B., T.R.L. GOULD and D.M. BRUNETTE, "Titanium-coated Micromachined Grooves of Different Dimensions Affect Epithelial and Connective-Tissue Cells Differently in Vivo", Journal of Biomedical Materials Research, 24:1203-1219, 1990	

<p>FORM PTO-1449/A and B (Modified)</p> <p>3 SEP 06 2005</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>TM TRADEMARK OFFICE</p>				APPLICATION NO.: 10/032,280	ATTY. DOCKET NO.: H0498.70173US00
				FILING DATE: 12/21/2001	CONFIRMATION NO.: 6387
				APPLICANT: Rahul Singhvi, et al.	
				GROUP ART UNIT: 1651	EXAMINER: Deborah K. Ware
Sheet	4	of	7		

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
<i>DKW</i>	C16	CHIU, et al., "Patterned deposition of cells and proteins onto surfaces by using three dimensional microfluidic system", Proceedings of the National Academy of Sciences of USA, Vol. 97, No. 6, pgs. 2408-2413, March 14, 2000	
<i>DKW</i>	C17*	CLARK, P., P. CONNOLLY, A.S.G. CURTIS, J.A.T. DOW and C.D.W. WILKINSON, "Topographical Control of Cell Behaviour I. Simple Step Cues", Development, 99:439-448, 1987	
<i>DKW</i>	C18*	CROMIE, "Self-Assembling Molecules Manipulated by Chemists", Harvard's Gazette (Jul. 9, 1993)	
<i>DKW</i>	C19	DOBISZ, E.A., et al., "Self-Assembled Monolayer Films for Nanofabrication," Mat. Res. Soc Symp. Proc., vol. 380, 1995	
<i>DKW</i>	C20*	DRESSICK, WALTER J., et al., "Photopatterning and Selective Electroless Metallization of Surface-Attached Ligands", Chem. Mater., vol. 5, No. 2, pp. 148-150 (1993)	
<i>DKW</i>	C22	DUFFY, et al., "Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane)," Analytical Chemistry, Vol. 70, No. 23, pp. 4974-4985, 1998	
<i>DKW</i>	C23*	DULCEY, et al., "Deep UV Photochemistry of Chemisorbed Monolayers: Patterned Coplanar Molecular Assemblies", Science 252, pp. 551-554 (Apr. 26, 1991)	
<i>DKW</i>	C24*	DUNN, G.A. and A.F. BROWN, "Alignment of Fibroblasts on Grooved Surfaces Described by a Simple Geometric Transformation", J. Cell. Sci., 83:313-340, 1986	
<i>DKW</i>	C25	FETTINGER, et al., "Stacked modules for micro flow systems in chemical analysis: concept and studies using an enlarged model," Sensors and Actuators B, Vol. 17, pp. 19-25, 1993	
<i>DKW</i>	C26	FLUITMAN, et al., "Micromechanical Components for μ TAS," Micro Total Analysis Systems, Proceedings of the μ TAS '94 Workshop, Nov. 21-22, 1994, Kluwer Academic Publishers, pp. 73-83, 1995	
<i>DKW</i>	C27	GONZÁLEZ, et al., "MicroJoinery: concept, definition, and application to microsystem development," Sensors and Actuators A, Vol. 66, pp. 315-332, 1998	
<i>DKW</i>	C28	GORMAN, CHRISTOPHER B., et al., "Control of the Shape of Liquid Lenses on a Modified Gold Surface Using an Applied Electrical Potential across a Self-Assembled Monolayer", Langmuir, vol. 11, No. 6, pp. 2242-2246 (1995)	
<i>DKW</i>	C29	GORMAN, CHRISTOPHER B., et al., "Fabrication of Patterned, Electrically Conducting Polypyrrole Using a Self-Assembled Monolayer: A Route to All-Organic Circuits", Chem. Mater., vol. 7, No. 3, pp. 526-529 (1995)	
<i>DKW</i>	C30	GORMAN, et al., "Use of a Patterned Self-Assembled Monolayer to Control the Formation of a Liquid Resist Pattern on a Gold Surface", Chem. Mater. 7, pp. 252-254 (Feb. 15, 1995)	
<i>DKW</i>	C31	GUÉRIN, et al., "Simple and Low Cost Fabrication of Embedded Micro-Channels by Using a New Thick-Film Photoplastic," 1997 International Conference on Solid-State Sensors and Actuators, June 18-19, 1997, IEEE, pp. 1419-1422, 1997	
<i>DKW</i>	C32*	HARRIS, A., "Behavior of Cultured Cells on Substrata of Variable Adhesiveness", Experimental Cell Research, 77:285-297, 1973	
<i>DKW</i>	C33	HARTNEY, M. A., et al., "Silylation of focused ion beam exposed resists", Appl. Phys. Lett., vol. 59, No. 4, pp. 485-487 (1991)	
<i>DKW</i>	C44	HUBER, et al., "Toroidal grating obtained on an elastic substrate", Applied Optics 20(12), pp. 2139-2142, Jun. 15, 1981	
<i>DKW</i>	C45	HUBER, M.C.E., et al., "Toroidal grating obtained on an elastic substrate", Applied Optics, vol. 20, No. 12, pp. 2139-2142 (1981)	
<i>DKW</i>	C46	ICHINOSE, NOBUYUKI, "Immobilization of Protein on Micropatterns by the Use of Photoremovable Activated Ester", Chemistry Letters, pp. 237-238 (1995)	
<i>DKW</i>	C47	IKUTA, et al., "Three Dimensional Micro Integrated Fluid Systems (MIFS) Fabricated by Stereo Lithography," IEEE, pp. 1-6, 1994	
<i>DKW</i>	C48*	INGBER, D.E., "Fibronectin Controls Capillary Endothelial Cell Growth by Modulating Cell Shape", Proc. Nat. Acad. Sci. (U.S.A.), 87:3579-3583, 1990	

13 SEP 06 2005

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICATION NO.:	10/032,280	ATTY. DOCKET NO.:	H0498.70173US00
FILING DATE:	12/21/2001	CONFIRMATION NO.:	6387
APPLICANT:	Rahul Singhvi, et al.		
GROUP ART UNIT:	1651	EXAMINER:	Deborah K. Ware

Sheet 5 of 7

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C49*	INOUE, T., J.E. COX, R.M. PILLIAR and A.H. MELCHER, "Effect of the Surface Geometry of Smooth and Porous-coated Titanium Alloy on the Orientation of Fibroblasts in Vitro", Journal of Biomedical Materials Research, 21:107-126, 1987	
<i>Deb</i>	C50*	IRELAND, G.W., P. DOPPING-HEPENSTAL, P. JORDAN and C. O'NEILL, "Effect of Patterned Surfaces of Adhesive Islands on the Shape, Cytoskeleton, Adhesion and Behaviour of Swiss Mouse 3T3 Fibroblasts", J. Cell. Sci. Suppl., 8:19-33, 1987	
<i>Deb</i>	C51*	IRELAND, et al., "Limitation of Substratum Size Alters Cyto-Skeletal Organization and Behaviour of Swiss 3T3 Fibroblasts", Cell Bio. Int'l Reports 13, pp. 781-790 (Sep., 1989)	
<i>Deb</i>	C52	JACKMAN, et al., "Design and Fabrication of Topologically Complex, Three-Dimensional Microstructures," Science, Vol. 280, pp. 2089-2091, June 1998	
<i>Deb</i>	C53	JACOBSEN, et al., "Design, Analysis, and Experimental Results for the Wobble Motor: An Eccentric-Motion Electrostatic Microactuator", SPIE 1167, pp. 122-136 (1989)	
<i>Deb</i>	C54	JACOBSEN, et al., "Fabrication of Micro-Structures Using Non-Planar Lithography (NPL)", Proceedings, IEEE; Micro Electro Mechanical Systems, An Investigation of Micro Structures, Sensors, Actuators, Machines and Robots, Nara, Japan, Jan. 30-Feb. 2, 1991	
<i>Deb</i>	C55	JACOBSEN, et al., "The Wobble Motor: Design Fabrication and Testing of an Eccentric-Motion Electrostatic Microactuator", IEEE, pp. 1536-1546, (1989)	
<i>Deb</i>	C56	JO, et al., "Three-Dimensional Micro-Channel Fabrication in Polydimethylsiloxane (PDMS) Elastomer," Journal of Microelectromechanical Systems, Vol. 9, No. 1, pp. 76-81, Mar. 2000	
<i>Deb</i>	C57	JO & BEEBE, "Fabrication of Three-Dimensional Microfluidic Systems by Stacking Molded Polydimethylsiloxane (PDMS) Layers," SPIE Conference on Microfluidic Devices and Systems II, SPIE, Vol. 3877, pp. 222-229, Sept. 1999	
<i>Deb</i>	C58	KANG, DORIS, et al., "Patterned Functionalization of Gold and Single Crystal Silicon via Photochemical Reaction of Surface-Confined Derivatives of (eta..sup.5-C.sub.5H.sub.5)Mn(CO).sub.3", Langmuir, vol. 7, No. 10, pp. 2169-2174 (1991)	
<i>Deb</i>	C59	KENIS, et al., Science, Vol. 285, July 2, 1999, 1183-1185	
<i>Deb</i>	C60*	KIM, et al., Combining Patterned Self-Assembled Monolayers of Alkanethiolates on Gold with Anisotropic Etching of Silicon to Generate Controlled Surface Morphologies, J. Electrochem. Soc. 142(2), pp. 628-633 (Feb., 1995)	
<i>Deb</i>	C61*	KLEINFELD, et al., "Controlled Outgrowth of Dissociated Neurons on Patterned Substrates", Journal of Neuroscience, 8, pp. 4098-4120 (Nov., 1988)	
<i>Deb</i>	C62	KOLOSKI, TIMOTHY S., et al., "Nucleophilic Displacement Reactions at Benzyl Halide Self-Assembled Monolayer Film Surfaces", Langmuir, vol. 10, No. 9, pp. 3122-3133 (1994)	
<i>Deb</i>	C63	KUMAR, AMIT, et al., "Features of gold having micrometer to centimeter dimensions can be formed through a combination of stamping with an elastomeric stamp and an alkanethiol 'ink' followed by chemical etching", Appl. Phys. Lett., vol. 63, No. 14, pp. 2002-2004 (1993)	
<i>Deb</i>	C64	KUMAR, AMIT, et al., "Patterning Self-Assembled Monolayers: Applications in Materials Science", American Chemical Chemical Society, Langmuir Vo. 10, No. 5 (1994), pp. 1498-1511	
<i>Deb</i>	C65	KUMAR, et al., "Patterning Self-Assembled Monolayers: Applications in Materials Science", Langmuir 10, pp. 1498-1511 (May 20, 1994)	
<i>Deb</i>	C66*	KUMAR, et al., "The Use of Self-Assembled Monolayers and a Selective Etch to Generate Patterned Gold Features", Amer. Chem. Society. 14, pp. 9188-9189 (Nov. 4, 1992)	
<i>Deb</i>	C67	KUNZ, et al., "Applications of lasers in microelectronics and micromechanics," Applied Surface Science, Vol. 79/80, pp. 12-24, 1994	
<i>Deb</i>	C68*	LABINIS, et al., "Comparison of the Structures and Wetting Properties of Self-Assembled Monolayers of n-Alkanethiols on the Coinage Metal Surfaces, Cu, Ag, Au.sup.1", Amer. Chem. Soc. 113(19), pp. 7152-7167 (Jan. 14, 1991)	

FORM PTO-1449/A and B (Modified)  INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>TRADEMARK</small>				APPLICATION NO.: 10/032,280	ATTY. DOCKET NO.: H0498.70173US00
				FILING DATE: 12/21/2001	CONFIRMATION NO.: 6387
				APPLICANT: Rahul Singhvi, et al.	
				GROUP ART UNIT: 1651	EXAMINER: Deborah K. Ware
Sheet	6	of	7		

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
<i>DKW</i>	C69	LAMMERINK et al., "Modular Concept for Fluid Handling Systems, A demonstrator Micro Analysis System," IEEE, pp. 389-394, 1996	
<i>DKW</i>	C70	LARSSON, et al., "Silicon Based Replication Technology of 3D-Microstructures by Conventional CD-Injection Molding Techniques," 1997 International Conference on Solid-State Sensors and Actuators, June 16-19, 1997, IEEE, pp. 1415-1418, 1997	
<i>DKW</i>	C71	LERCEL, M. J., et al., "Pattern transfer of electron beam modified self-assembled monolayers for high-resolution lithography", J. Vac. Sci. Technol. B, vol. 13, No. 3, pp. 1139-1143 (1995)	
<i>DKW</i>	C72	LERCEL, Microelect Eng, 27:43-46 (1995)	
<i>DKW</i>	C73*	LOPEZ, et al., "Convenient Methods for Patterning the Adhesion of Mammalian Cells to Surfaces Using Self-Assembled Monolayers of Alkanethiolates on Gold", Amer. Chemical Society 115, pp. 5877-5878 (Feb. 22, 1993)	
<i>DKW</i>	C74*	LOPEZ, et al., "Imaging of Features on Surfaces by Condensation Figures", Science 260, pp. 647-649 (Apr. 30, 1993)	
<i>DKW</i>	C75*	MATSUDA, et al., "Development of Micropatterning Technology for Cultured Cells", Trans. Am. Soc. Artif. Intern Organs 36 (1990)	
<i>DKW</i>	C76	McGOVERN, et al., "Role of Solvent on the Silanization of Glass with Octadecyltrichlorosilane", Langmuir, Jun. 20, 1994, vol. 10, No. 10, pp. 3607-3614	
<i>DKW</i>	C77	MENSINGER, et al., "Microreactor with Integrated Static Mixer and Analysis System," Micro Total Analysis Systems, Proceedings of the μ TAS '94 Workshop, Nov. 21-22, 1994, Kluwer Academic Publishers, pp. 237-243, 1995	
<i>DKW</i>	C78	MOFFAT, T.P., et al., "Patterned Metal Electrodeposition Using an Alkanethiolate Mask," J. Electrochem. Soc., vol. 142, No. 11, Nov. 1995	
<i>DKW</i>	C79	NASSUPHIS, et al., "Three-dimensional laser direct writing: Applications to multichip modules," J. Vac. Sci. Technol. B, Vol. 12, No. 6, pp. 3294-3299, Nov./Dec. 1994	
<i>DKW</i>	C80*	O'NEILL, et al., "Narrow Linear Strips of Adhesive Substratum are Powerful Inducers of Both Growth and Focal Contact Area", Cell Science 95, pp. 577-586 (Jan. 2, 1990)	
<i>DKW</i>	C81*	O'NEILL, C., P. JORDAN, and G. IRELAND, "Evidence for Two Distinct Mechanisms of Anchorage Stimulation in Freshly Explanted and 3T3 Swiss Mouse Fibroblasts", Cell, 44:489-496, 1986	
<i>DKW</i>	C82	PARIKH, et al., "An Intrinsic Relationship Between Molecular Structure in Self-Assembled n-Alkylsiloxane Monolayers and Deposition Temperature", J. Phys. Chem., May 3, 1995, vol. 98, No. 31, pp. 7577-7590	
<i>DKW</i>	C83*	PONTEN, et al., "Proliferation Control in Cloned Normal and Malignant Human Cells", Exper. Cell Research, pp. 367-375 (May 12, 1980)	
<i>DKW</i>	C84	POPLAWSKI, et al., "A Simple Package Process for Chemical Sensors," Solid-State Sensor and Actuator Workshop, June 13-16, 1994, TRF, pp. 25-28, 1994	
<i>DKW</i>	C85	POTOCHNIK, STEPHEN J., et al., "Selective Copper Chemical Vapor Deposition Using Pd-Activated Organosilane Films", Langmuir, vol. 11, No. 6, pp. 1841-1845 (1995)	
<i>DKW</i>	C86	PRITCHARD, DAVID JOHN, et al., "Micron-Scale Patterning of Biological Molecules", Angew. Chem. Int. Ed. Engl., vol. 34, No. 1, pp. 91-93 (1995)	
<i>DKW</i>	C87	ROZSNYAI, LAWRENCE F., et al., "Selective Electrochemical Deposition of Polyaniline via Photopatterning of a Monolayer-Modified Substrate", J. Am. Chem. Soc., vol. 116, No. 13, pp. 5993-5994 (1994)	
<i>DKW</i>	C88	SCHOER, J.K., et al., "Scanning Probe Lithography," Langmuir, vol. 10, No. 3, pps. 615-618, 1994. (Abstract)	
<i>DKW</i>	C89	SCHOMBURG, et al., "Components for Microfluidic Handling Modules," Micro Total Analysis Systems, Proceedings of the μ TAS '94 Workshop, Nov. 21-22, 1994, Kluwer Academic Publishers, pp. 1-4, 1995	

<p>FORM PTO-1449/A and B (Modified) 3 SEP 06 2005 INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p>			APPLICATION NO.: 10/032,280	ATTY. DOCKET NO.: H0498.70173US00
			FILING DATE: 12/21/2001	CONFIRMATION NO.: 6387
			APPLICANT: Rahul Singhvi, et al.	
			GROUP ART UNIT: 1651	EXAMINER: Deborah K. Ware
Sheet 7 of 7				

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
DKW	C90	SINGHVI, et al., "Engineering Cell Shape and Function", Science 264, p. 696 (Apr. 29, 1994)	
DKW	C91	SONDAG-HUETHORST, J.A.M., et al., "Generation of electrochemically deposited metal patterns by means of electron beam (nano)lithography of self-assembled monolayer resists", Appl. Phys. Lett., vol. 64, No. 3, pp. 285-287 (1994)	
DKW	C92	SPINKE, et al., "Molecular Recognition at Self-Assembled Monolayers: Optimization of Surface Functionalization", J. Chem. Phys., vol. 99, No. 9, pp. 7012-7019, Nov. 1, 1993	
DKW	C93*	STENGER, DAVID A., "Coplanar Molecular Assemblies of Amino-and Perfluorinated Alkylsilanes: Characterization and Geometric Definition of Mammalian Cell Adhesion and Growth", J. Am. Chem. Soc., vol. 114, No. 22, pp. 8435-8442 (1992)	
DKW	C94	TAKAYAMA, et al., Proc. Natl. Acad. Sci. USA, Vol. 96, May 1999, pgs.. 5545-5548	
DKW	C95*	TARLOV, et al., "UV Photopatterning of Alkanethiolate Monolayers Self-Assembled on Gold and Silver", Am. Chem. Soc. 115 (Apr. 13, 1993)	
DKW	C96*	TIBERIO, et al., "Self-Assembled Monolayer Electron Beam Resist on GaAs", Anal. Phys. Lett., Feb. 1, 1993	
DKW	C97*	VARGO, et al., "Monolayer Chem. Lithography and Characterization of Fluoropolymer Films", Langmuir 8, pp. 130-134 (Jan. 20, 1992)	
DKW	C98	Verpoorte et al., "Three-dimensional micro flow manifolds for miniaturized chemical analysis systems," J. Micromech. Microeng., Vol. 4, pp. 246-256, 1994	
DKW	C99*	WATT, F.M., "Influence of Cell Shape and Adhesiveness on Stratification and Terminal Differentiation of Human Keratinocytes in Culture", J. Cell. Sci. Suppl., 8:313-326, 1987	
DKW	C100*	WESTERMARK, B., "Growth Control in Miniclones of Human Glial Cells", Exper. Cell Res. 111, pp. 295-299 (Feb. 15, 1978)	
DKW	C101*	WHITESIDES, et al., "Wet Chemical Approaches to the Characterization of Organic Surfaces: Self-Assembled Monolayers, Wetting, and the Physical-Organic Chemistry of the Solid-Liquid Interface", Langmuir 6, pp. 87-96 (Jan. 31, 1990)	
DKW	C102	WILBUR, et al., "Microfabrication by Microcontact Printing of Self-Assembled Monolayers", Advanced, Research News, Adv. Mater. (1994) 6, No. 7/8, pp. 600-604 Materials Research News. Adv. Mater. (1994) 6, No. 7/8, pp. 600-604	
DKW	C103	WOLLMAN, ERIC W., et al., "Photosensitive Self-Assembled Monolayers on Gold: Photochemistry of Surface-Confining Aryl Azide and Cyclopentadienylmanganese Tricarbonyl", J. Am. Chem. Soc., vol. 116, No. 10, pp. 4395-4404 (1994)	
DKW	C104	WOLLMAN, ERIC W., et al., "Scanning Electron Microscopy for Imaging Photopatterned Self-Assembled Monolayers on Gold", Langmuir, vol. 9, No. 6, pp. 1517-1520 (1993)	
DKW	C105*	WOOD, A., "Contact Guidance on Microfabricated Substrata: The Response of Teleost Fin Mesenchyme Cells Cells to Repeating Topographical Patterns", J. Cell. Sci., 90:667-681, 1988	
DKW	C106	XIA, YOUNAN, et al., "Microcontact Printing of Octadecylsiloxane on the Surface of Silicon Dioxide and Its Application in Microfabrication", Langmuir, pp. 9576-9578 (1995)	

EXAMINER:

DATE CONSIDERED:

9-27-05

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

a copy of this reference is not provided as it was previously cited by or submitted to the office in prior application Serial No. 09/373,334, filed August 12, 1999, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an IDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]